

Specification Amendments

Page 2, lines 15-21:

However, the hydrogen desulfurizer requires hydrogen enrichment in order to convert sulfur compounds, such as thiophene, into hydrogen sulfide, which is captured on adsorbents, such as zinc oxide. This hydrogen is provided by a hydrogen recycle blower 30 which pressurizes hydrogen from [[a]] the line 31 and applies it over [[a]] lines 32 and 33 to the hydrogen desulfurizer 17. A plurality of valves 34 allow adjustment of the processes, all as is known.

Page 5, lines 17-26:

The reformate produced by the mini-CPO 36 in a line 38 40 is mixed with the fuel in the line 19 at the inlet to the hydrogen desulfurizer 17. Since no water is applied to the mini-CPO, the reformate is much drier than the reformate generated in the line 31 (Fig. 1) by the water-shift reactor 26 and preferential CO oxidizer 27 which provides significant humidity in the reformate in the line 31. Thus, a drier reformate is provided (about 2.8 mol % steam from the mini-CPO compared with about 8.8 mol % steam in the prior art) to the hydrogen desulfurizer, which enhances the adsorption on zinc oxide and helps to reduce the sulfur to the parts per billion level.